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OK nucleic - nucleic search, using sw model

Run on: December 8, 2001, 19:38:26 ; Search time 70.08 seconds
(without alignments)
12804.022 Million cell updates/sec

Title: US-08-153-397A-1
Perfect score: 3962
Sequence: 1 CGGGCTGAGACGTGGGTGA.....AAAAAAAAACCGGATTC 3962

Scoring table: IDENTITY_NUC 1
Gapop 10.0, Gapext 1.0

Searched: 351203 seqs, 11328999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCRTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3962	100.0	3962	1	US-08-336-343A-1
2	3451	87.1	3637	1	US-08-445-640-3
3	3451	87.1	3637	3	US-08-170-558-3
4	3451	87.1	3637	3	US-08-447-314-3
5	3451	87.1	3637	3	US-08-445-461-3
6	1192.2	30.1	1197	1	US-08-445-640-7
7	1192.2	30.1	1197	3	US-08-170-558-7
8	1192.2	30.1	1197	3	US-08-447-314-7
9	1192.2	30.1	1197	3	US-08-445-461-7
10	642	16.2	3157	1	US-08-336-343A-3
11	642	16.2	3157	1	US-08-336-343A-5
12	639.8	16.1	3157	1	US-08-456-647B-19
13	639.8	16.1	3120	2	US-08-237-401A-19
14	182.2	4.6	2820	1	US-08-286-305A-4
15	182.2	4.6	2820	2	US-08-441-104A-4
16	182.2	4.6	2820	2	US-08-440-816A-4
17	182.2	4.6	2820	4	US-09-417-381A-4
18	180.6	4.6	2301	1	US-08-306-691B-23
19	180.6	4.6	2301	5	PCT-US93-06251-78
20	180.6	4.6	3060	1	US-08-286-305A-6
21	180.6	4.6	3060	2	US-08-441-104A-6
22	180.6	4.6	3060	2	US-08-440-816A-6
23	180.6	4.6	3060	4	US-09-417-381A-6
24	180.6	4.6	3194	2	US-08-359-705B-1
25	180.6	4.6	3194	2	US-08-286-846A-1
26	180.6	4.6	3194	2	US-08-457-880A-1
27	180.6	4.6	3194	3	US-08-444-622A-1

28	180.6	4.6	3194	3	US-08-942-562-1	Sequence 1, Appl
29	180.6	4.6	3194	3	US-09-156-923-1	Sequence 1, Appl
30	180.6	4.6	3707	1	US-08-271-454-1	Sequence 1, Appl
31	180.6	4.6	3707	5	PCT-US95-08180-1	Sequence 1, Appl
32	178.6	4.5	2526	1	US-07-912-952-1	Sequence 1, Appl
33	178.6	4.5	2940	1	US-08-286-305A-8	Sequence 8, Appl
34	178.6	4.5	2940	2	US-08-441-104A-8	Sequence 8, Appl
35	178.6	4.5	2940	2	US-08-440-816A-8	Sequence 8, Appl
36	178.6	4.5	2940	4	US-09-417-381A-8	Sequence 8, Appl
37	163	4.1	2463	1	US-08-469-537A-106	Sequence 106, App
38	158	4.0	4092	2	PCT-US95-08493-12	Sequence 12, Appl
39	147.2	3.7	3398	5	PCT-US95-08493-18	Sequence 18, Appl
40	139	3.5	2208	5	PCT-US95-08493-20	Sequence 20, Appl
41	139	3.5	2580	5	PCT-US95-08493-20	Sequence 1, Appl
42	139	3.5	2604	5	US-07-912-952-3	Sequence 3, Appl
43	138.4	3.5	2376	1	US-08-737-715-1	Sequence 1, Appl
44	135.2	3.4	4149	2	US-08-374-834-2	Sequence 2, Appl
45	130.4	3.3	2869	1	US-08-374-834-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-336-343A-1
Sequence 1, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
TITLE OF INVENTION: CK-2, A No. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8664
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077
US-08-336-343A-1
Query Match 100.0%; Score 3962; DB 1; Length 3962;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 3962; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGGCTGAGACTGGGGTGAAGTGAAGAAATCTGAGCTGAGAGCCGCCGACAG 60
1 CGGGCTGAGACTGGGGTGAAGTGAAGAAATCTGAGCTGAGAGCCGCCGACAG 60
Db 1 CGGGCTGAGACTGGGGTGAAGTGAAGAAATCTGAGCTGAGAGCCGCCGACAG 60

QY 61 CTGCTCTGGGAGCGCGCTCCGACACCCGAGCCCGCGCGCTCCGCTCCGCTC 120
61 CTGCTCTGGGAGCGCGCTCCGACACCCGAGCCCGCGCGCTCCGCTCCGCTC 120
Db 61 CTGCTCTGGGAGCGCGCTCCGACACCCGAGCCCGCGCGCTCCGCTCCGCTC 120

QY 121 CGGGCTCTGGGCTCCCTCCGCTCCGCTCCGCTCCGCTCCGCTCCGCTCCGCT 180
121 CGGGCTCTGGGCTCCCTCCGCTCCGCTCCGCTCCGCTCCGCTCCGCTCCGCT 180
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QY 181 CCGGGTCTGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
181 CCGGGTCTGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Db 181 CCGGGTCTGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240

QY 241 TGACGTGAGGAGTGGGTTGGAGTTGAAGAAATGCCAAGAGATGCTGCCCCCTTA 300
241 TGACGTGAGGAGTGGGTTGGAGTTGAAGAAATGCCAAGAGATGCTGCCCCCTTA 300
Db 241 TGACGTGAGGAGTGGGTTGGAGTTGAAGAAATGCCAAGAGATGCTGCCCCCTTA 300

QY 301 GGGCCGAGGAGTCAAGAGTATGGAGCAGAGCCCTGTCATCTTACGTCGCTGCT 360
301 GGGCCGAGGAGTCAAGAGTATGGAGCAGAGCCCTGTCATCTTACGTCGCTGCT 360
Db 301 GGGCCGAGGAGTCAAGAGTATGGAGCAGAGCCCTGTCATCTTACGTCGCTGCT 360

QY 361 TGGTGCAAGTGGAGATGCTGACATGAAGGACATTTGATCCTGCAAGTGGCTATG 420
361 TGGTGCAAGTGGAGATGCTGACATGAAGGACATTTGATCCTGCAAGTGGCTATG 420
Db 361 TGGTGCAAGTGGAGATGCTGACATGAAGGACATTTGATCCTGCAAGTGGCTATG 420

QY 421 CCGTGGGATGAGAGCCGAGACCATCCAGACATGATCTCTGCTTCCAGCTCTGCT 480
421 CCGTGGGATGAGAGCCGAGACCATCCAGACATGATCTCTGCTTCCAGCTCTGCT 480
Db 421 CCGTGGGATGAGAGCCGAGACCATCCAGACATGATCTCTGCTTCCAGCTCTGCT 480

QY 481 CAGATTCCACTCCGCCGCCGACAGAGGTTGAGAGCATGACAGGAGTGGGGCTGCT 540
481 CAGATTCCACTCCGCCGCCGACAGAGGTTGAGAGCATGACAGGAGTGGGGCTGCT 540
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QY 541 GCCCGCAGAGGCTGGTGTTCCTCCAGAGAGAGAGTACTTGCAGGTGATCTACAAGC 600
541 GCCCGCAGAGGCTGGTGTTCCTCCAGAGAGAGAGTACTTGCAGGTGATCTACAAGC 600
Db 541 GCCCGCAGAGGCTGGTGTTCCTCCAGAGAGAGAGTACTTGCAGGTGATCTACAAGC 600

QY 601 TCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
601 TCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Db 601 TCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660

QY 661 TCTCCCGAGCTACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
661 TCTCCCGAGCTACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Db 661 TCTCCCGAGCTACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720

QY 721 ACCGCTGGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 780
721 ACCGCTGGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 780
Db 721 ACCGCTGGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 780

QY 781 ACCCTGGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 840
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QY 841 TGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
841 TGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 841 TGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900

QY 901 ACACCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
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Db 901 ACACCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960

QY 961 CCTATGAGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 1020
961 CCTATGAGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 1020
Db 961 CCTATGAGGAGTCAAGAGTGAATGAGGACCTGAGAGAGTGTGTGAAG 1020

QY 1021 GT 1080
1021 GT 1080
Db 1021 GT 1080

QY 1081 ACTATGTGGAGTGAAGACCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGTTGAGT 1140
1081 ACTATGTGGAGTGAAGACCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGTTGAGT 1140
Db 1081 ACTATGTGGAGTGAAGACCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGTTGAGT 1140

QY 1141 TTGACGGGCTGAGGGCTTCTCCAGGCTATGAGAGTCCACTATACACATGACACGCTGG 1200
1141 TTGACGGGCTGAGGGCTTCTCCAGGCTATGAGAGTCCACTATACACATGACACGCTGG 1200
Db 1141 TTGACGGGCTGAGGGCTTCTCCAGGCTATGAGAGTCCACTATACACATGACACGCTGG 1200

QY 1201 GAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
1201 GAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
Db 1201 GAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260

QY 1261 AGGGGAGCCCATGCGCCACACACCTAGGGGCAACCTGAGGGAGCCGAGAGCCGAGCTG 1320
1261 AGGGGAGCCCATGCGCCACACACCTAGGGGCAACCTGAGGGAGCCGAGAGCCGAGCTG 1320
Db 1261 AGGGGAGCCCATGCGCCACACACCTAGGGGCAACCTGAGGGAGCCGAGAGCCGAGCTG 1320

QY 1321 TCTCAGTCCCTTGGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
1321 TCTCAGTCCCTTGGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Db 1321 TCTCAGTCCCTTGGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380

QY 1381 GGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440
1381 GGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440
Db 1381 GGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440

QY 1441 CGGCACTGGGAGGACACTTCCGCGCAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
1441 CGGCACTGGGAGGACACTTCCGCGCAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Db 1441 CGGCACTGGGAGGACACTTCCGCGCAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500

QY 1501 ACTTCAGACCTTTGAGCTGAGAGCCAGAGCCAGAGCCGCTGCTGCTGCTGCTGCTGCT 1560
1501 ACTTCAGACCTTTGAGCTGAGAGCCAGAGCCAGAGCCGCTGCTGCTGCTGCTGCTGCT 1560
Db 1501 ACTTCAGACCTTTGAGCTGAGAGCCAGAGCCAGAGCCGCTGCTGCTGCTGCTGCTGCT 1560

QY 1561 GGGCCAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
1561 GGGCCAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
Db 1561 GGGCCAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620

QY 1621 TTGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680
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Db 1621 TTGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680

QY 1681 TGTGAGAGAGAGCTGAGGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
1681 TGTGAGAGAGAGCTGAGGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
Db 1681 TGTGAGAGAGAGCTGAGGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740

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QY 1801 CCCACTGCGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860
1801 CCCACTGCGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860
Db 1801 CCCACTGCGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860

QY 1861 GCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
1861 GCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
Db 1861 GCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920

QY 1921 GGGCCAAACCCCAACACCCGCTACAGTGGGAGCTATGAGGCTGAGAAACGAG 1980
1921 GGGCCAAACCCCAACACCCGCTACAGTGGGAGCTATGAGGCTGAGAAACGAG 1980
Db 1921 GGGCCAAACCCCAACACCCGCTACAGTGGGAGCTATGAGGCTGAGAAACGAG 1980

QY 1981 GGGCCCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
1981 GGGCCCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
Db 1981 GGGCCCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040

QY 2041 TTGTTACCTGAGGAGGCTACACCGGGGCAACACCTATGCTGCTGCTGCTGCTGCTGCT 2100
2041 TTGTTACCTGAGGAGGCTACACCGGGGCAACACCTATGCTGCTGCTGCTGCTGCTGCT 2100
Db 2041 TTGTTACCTGAGGAGGCTACACCGGGGCAACACCTATGCTGCTGCTGCTGCTGCTGCT 2100

QY 2101 GGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAG 2160
2101 GGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAG 2160
Db 2101 GGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAGTGGGAG 2160

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 844C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-640-3

Query Match 87.1% Score 3451; DB 1; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAGAGATGCAAGAGATGCTCCCAACCCCTTAGAGCCGAGGATGAG 315
DB 17 GTTGACTTGAAGAGATGCAAGAGATGCTCCCAACCCCTTAGAGCCGAGGATGAG 76
QY 316 GAGCTATGGAGCCAGAGCCCTGTCATCTTACTGCTGCTCTTGGTGGCAAGTGAG 375
DB 77 GAGCTATGGAGCCAGAGCCCTGTCATCTTACTGCTGCTCTTGGTGGCAAGTGAG 136
QY 376 ATGCTGACATGAGGAGACATTTGATCCTGCAAGTGGCGGTATGCCCTGGGCAATGAG 435
DB 137 ATGCTGACATGAGGAGACATTTGATCCTGCAAGTGGCGGTATGCCCTGGGCAATGAG 196
QY 436 ACCGAGACATCCAGAGAGTACATCTCTGCTCCAGCTCCTGCTGCAATCCACTGCG 495
DB 197 ACCGAGACATCCAGAGAGTACATCTCTGCTCCAGCTCCTGCTGCAATCCACTGCG 256
QY 496 CCGCCACAGAGAGTGGAGAGAGTACAGCGGGGATGGGGCTGTGCCCGCAGAGGTGCG 555
DB 257 CCGCCACAGAGAGTGGAGAGAGTACAGCGGGGATGGGGCTGTGCCCGCAGAGGTGCG 316
QY 556 TGTTCACAGAGAGAGAGTGTGAGAGTGTGATCTACAAGCACTCACTGCTGCTGCTC 615
DB 317 TGTTCACAGAGAGAGAGTGTGAGAGTGTGATCTACAAGCACTCACTGCTGCTGCTC 376
QY 616 TGTGGGACACCAAGAGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 675
DB 377 TGTGGGACACCAAGAGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 436
QY 676 GGTGCGCTTACTCCCGGAGTGTGCGCGTGTGATGAGCTGAGAGAGAGTGTGAGAGTGTGAG 735
DB 437 GGTGCGCTTACTCCCGGAGTGTGCGCGTGTGATGAGCTGAGAGAGAGTGTGAGAGTGTGAG 496
QY 736 AGGTGATCTAGGAGATGAGAGATGAGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 795
DB 497 AGGTGATCTAGGAGATGAGAGATGAGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 556
QY 796 TGGTGGCCAGAGTGTGCTTCTACCCCGGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 855
DB 557 TGGTGGCCAGAGTGTGCTTCTACCCCGGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 616

QY 856 GGTGAGACTTATGCTGCTCTGAGAGATGAGACTCTGTCTTACACCCGCCCTGTGG 915
DB 617 GGTGAGACTTATGCTGCTCTGAGAGATGAGACTCTGTCTTACACCCGCCCTGTGG 676
QY 916 GGCACACATGATTTATCTGAGGCGGTGTACCTAAGCACTCCACCTATGACGACATGA 975
DB 677 GGCACACATGATTTATCTGAGGCGGTGTACCTAAGCACTCCACCTATGACGACATGA 736
QY 976 CCGTGGGAGACTGAGTATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 1035
DB 737 CCGTGGGAGACTGAGTATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 796
QY 1036 ATGACTTTAGAGAGATGAGAGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 1095
DB 797 ATGACTTTAGAGAGATGAGAGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 856
QY 1096 GCACACACAGCTTCTCCAGTGTGAGTGTGAGAGTGTGAGTGTGAGTGTGAGTGTGAG 1155
DB 857 GCACACACAGCTTCTCCAGTGTGAGTGTGAGAGTGTGAGTGTGAGTGTGAGTGTGAG 916
QY 1156 CCGTCCAGGCTATGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1215
DB 917 CCGTCCAGGCTATGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 976
QY 1216 GCGGGGTGGAATGTGCTTCCGCGCTGAGCCCTGAGGAGTGTGAGGAGGAGGAGGAGTGTG 1275
DB 977 GCGGGGTGGAATGTGCTTCCGCGCTGAGCCCTGAGGAGTGTGAGGAGGAGGAGGAGTGTG 1036
QY 1276 GCCACACACTTATGAGGAGCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1335
DB 1037 GCCACACACTTATGAGGAGCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1096
QY 1336 GCGGCGGTGAGTGTGCTTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1395
DB 1097 GCGGCGGTGAGTGTGCTTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1156
QY 1396 TCAGGGAATCTCTTCACTCTGATGTGTGAGAACATTTCTCTGCGGACACTGAGGAGCA 1455
DB 1157 TCAGGGAATCTCTTCACTCTGATGTGTGAGAACATTTCTCTGCGGACACTGAGGAGCA 1216
QY 1456 CCTTCGCGGACGCGGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1515
DB 1217 CCTTCGCGGACGCGGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1276
QY 1516 AGCTGAGAGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1575
DB 1277 AGCTGAGAGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1336
QY 1576 TCATCGGCTGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1635
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QY 1636 GCGGCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1695
DB 1397 GCGGCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1456
QY 1696 TGACGGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1755
DB 1457 TGACGGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1516
QY 1756 GAGAGCCACCCCTTACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1815
DB 1517 GAGAGCCACCCCTTACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1576
QY 1816 GTGTCCCAATGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1875
DB 1577 GTGTCCCAATGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1636
QY 1876 CTTAGGCGGCTTCCCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1935
DB 1637 CTTAGGCGGCTTCCCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTGTG 1696

QY 1936 ACACCCAGCCCTACAGTGGGGACTATATGAGACCTGAGAACCCAGCGCCCGCTTCTGC 1995
 DB 1697 ACACCCAGCCCTACAGTGGGGACTATATGAGACCTGAGAACCCAGCGCCCGCTTCTGC 1756
 QY 1996 CCCCACTCCCCAGAAACAGGTGCCCCATTATGCCGAGGCTGACATTTGTAACCTGCAGG 2055
 DB 1757 CCCCACTCCCCAGAAACAGGTGCCCCATTATGCCGAGGCTGACATTTGTAACCTGCAGG 1816
 QY 2056 GCGTCACCGGGGGGCAACACTATGCTGTGCTGACAGTCCCCAGGGGCACTCGGGGATG 2115
 DB 1817 GCGTCACCGGGGGGCAACACTATGCTGTGCTGACAGTCCCCAGGGGCACTCGGGGATG 1876
 QY 2116 GGGCCCCAGAGTGAATTTCTCTGATCTGACATCCGCTTCAAGAGAAAGCTTGGCGAGG 2175
 DB 1877 GGGCCCCAGAGTGAATTTCTCTGATCTGACATCCGCTTCAAGAGAAAGCTTGGCGAGG 1936
 QY 2176 GCCAGTTTGGGGAGGTGACACCTGTGTAGGTGACACGCCCTCAAGATCTGTGTCAGTCTTG 2235
 DB 1937 GCCAGTTTGGGGAGGTGACACCTGTGTAGGTGACACGCCCTCAAGATCTGTGTCAGTCTTG 1996
 QY 2236 ATTTCCCTTATATGTCGTAAGGAGACCCCTTGTGTAAGTCTTAAGATCTTACGGC 2295
 DB 1997 ATTTCCCTTATATGTCGTAAGGAGACCCCTTGTGTAAGTCTTACGGC 2056
 QY 2296 CAGATGCCAACGAAGATGCCAGCTTCTCTGTTCTCCAGGAATGATTTCTGAAAGAG 2355
 DB 2057 CAGATGCCAACGAAGATGCCAGCTTCTCTGTTCTCCAGGAATGATTTCTGAAAGAG 2098
 QY 2356 TGAAGATCATGTGTGAGAGCTCAGAGACCCCAACATCATTCGCTGCTGGCGTGTGTGC 2415
 DB 2099 TGAAGATCATGTGTGAGAGCTCAGAGACCCCAACATCATTCGCTGCTGGCGTGTGTGC 2158
 QY 2416 AAGAGACACCCCTCTCTGATGATTACTGACTACATGGAAGAAAGCGGACCTCAACAGTTCC 2475
 DB 2159 AAGAGACACCCCTCTCTGATGATTACTGACTACATGGAAGAAAGCGGACCTCAACAGTTCC 2218
 QY 2476 TCAGTTCACCAACAGTGGAGGACAGGACGCGAGGGGGCCCTGGGAGAGGGGACAGCTG 2535
 DB 2219 TCAGTTCACCAACAGTGGAGGACAGGACGCGAGGGGGCCCTGGGAGAGGGGACAGCTG 2278
 QY 2535 GCGAGGGGGCCCAACATCAGCTACCCATGCTGCTGATGTGGCAGCCAGATGCGCTCCG 2595
 DB 2279 GCGAGGGGGCCCAACATCAGCTACCCATGCTGCTGATGTGGCAGCCAGATGCGCTCCG 2338
 QY 2596 GCATGCGCTATCTGGCCACACTCACTTTGTACATGCGGACCTGGCCACGCGGAACCTGCC 2655
 DB 2339 GCATGCGCTATCTGGCCACACTCACTTTGTACATGCGGACCTGGCCACGCGGAACCTGCC 2398
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 DB 2459 CTGGGGAATTAACGCTGTGACAGGGCCGGGAGTGTGCCATCCGCTGATGGCTGGG 2518
 QY 2776 AGTGCATCTCATGGGGAAGTTCAGACACTGCGAGTACGTTGGGCTTTGTGTGACCC 2835
 DB 2519 AGTGCATCTCATGGGGAAGTTCAGACACTGCGAGTACGTTGGGCTTTGTGTGACCC 2578
 QY 2836 TGTGGAGGTGCTGATGCTCTAGAGGCGCAGCCCTTTGGGAGCTCACCGAGAGACAGG 2895
 DB 2579 TGTGGAGGTGCTGATGCTCTAGAGGCGCAGCCCTTTGGGAGCTCACCGAGAGACAGG 2638
 QY 2896 TCATCGAAGAGCGGGGGAGTCTTCCGGGACAGGGCGGAGGTGTAAGTGTCCGGC 2955
 DB 2639 TCATCGAAGAGCGGGGGAGTCTTCCGGGACAGGGCGGAGGTGTAAGTGTCCGGC 2698
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 DB 2699 GCGTCGCTGCGCGAGGCGCTATATGAGCTATGCTTGGTGTCTGAGACCGGGAGTCTTG 2758
 QY 3016 AGCAGCAGACACCTTTTCCAGCTGATCGGTCTCTGCGAGAGATGACATCAACAGG 3075

DB 2759 AGCAGCAGACACCTTTTCCAGCTGCATCGGTCTCTGGCAGAGGATCACTCAACAGG 2818
 QY 3076 TGTGAATCACATCAGCTACCTGCCCCCTCCCTCAGGAGTGTATCAGAGGGAGACAGTGA 3135
 DB 2819 TGTGAATCACATCAGCTACCTGCCCCCTCCCTCAGGAGTGTATCAGAGGGAGACAGTGA 2878
 QY 3136 CTAAGAACAGAGGACACATAGGACACTTGTGCCCTTCCCTCCGACAGCCCATCACTCT 3195
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 QY 3256 CCGTTCCTGAGACACACTCATATGTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3315
 DB 2959 -----AGAACCCCTGTG 2972
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 QY 3495 ACACGTGACCCCACTGCTGAGATCTGGGGGTGAGAGAGGACAAAGAGAGGAAATG 3554
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 QY 3915 AATAAAGGTGAGTTTCCACAAAAA 3953
 DB 3573 AATAAAGGTGAGTTTCCACAAAAA 3611

RESULT 3
 US-08-170-558-3
 ; Sequence 3, Application US/08170558
 ; Patent No. 6001621
 ; GENERAL INFORMATION:
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Seadden, David T.
 ; APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/10,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 85AC1
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGGAGCTGAAGAGATGCGCAGAGATGTCGCCACCCCTTAGAGCCCGAGGATGAG 315
DB 17 GTTGGAGCTGAAGAGATGCGCAGAGATGTCGCCACCCCTTAGAGCCCGAGGATGAG 76
QY 316 GAGCTATGGAGCAGAGAGGCGCTGTCACTCTTACTGCTGCTGCTGGTGGAGAGTGAG 375
DB 77 GAGCTATGGAGCAGAGAGGCGCTGTCACTCTTACTGCTGCTGCTGGTGGAGAGTGAG 136
QY 376 ATGCTGACATGAAGAGACATTTTGTATCTTCCTGCAAGTGCCTATGCGCTGGGATGAG 435
DB 137 ATGCTGACATGAAGAGACATTTTGTATCTTCCTGCAAGTGCCTATGCGCTGGGATGAG 196
QY 436 ACCGAGACATCCCAAGACAGTGCATCTGCTTCCAGCTCTGCTGCTGCTGCTGCTGCTG 495
DB 197 ACCGAGACATCCCAAGACAGTGCATCTGCTTCCAGCTCTGCTGCTGCTGCTGCTGCTG 256
QY 436 CCCGACAGCAGAGTGGAGAGCAGTGAAGGAGATGGGGGCTGGGCTGGGCTGGGCTGGG 555
DB 257 CCCGACAGCAGAGTGGAGAGCAGTGAAGGAGATGGGGGCTGGGCTGGGCTGGGCTGGG 316
QY 556 TGTTCCTCAAGAGAGAGTACTTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 615
DB 317 TGTTCCTCAAGAGAGAGTACTTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 376
QY 616 TGTGAGGAGCAGCAGAGAGAGTGCCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 675
DB 377 TGTGAGGAGCAGCAGAGAGAGTGCCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 436
QY 676 GAGTCTGTTACTCCCGGAGTGGTGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 735

DB 437 GCCTGCTTACTCCCGGAGATGCTGCCCTGTGATGGCTGAGAGACCCCTGGGCTAGG 496
QY 736 AGGTGATCTGAGGCAATGAGAGACCTGAGGAGTGTGTGTAAGAGACTTGGGCCCCCA 795
DB 497 AGGTGATCTGAGGCAATGAGAGACCTGAGGAGTGTGTGTAAGAGACTTGGGCCCCCA 556
QY 796 TGTGTCGCGACAGTGTGTGCTTACACCCCGGCTGACCGGGGTATGATGTCTGTGTC 855
DB 557 TGTGTCGCGACAGTGTGTGCTTACACCCCGGCTGACCGGGGTATGATGTCTGTGTC 616
QY 856 GGTAGAGCTCTATGGTGTGCTGAGGAGATGAGTGCCTGCTTAACCCGCTCTGTCG 915
DB 617 GGTAGAGCTCTATGGTGTGCTGAGGAGATGAGTGCCTGCTTAACCCGCTCTGTCG 676
QY 916 GGTAGAGCTCTATGGTGTGCTGAGGAGATGAGTGCCTGCTTAACCCGCTCTGTCG 975
DB 677 GGTAGAGCTCTATGGTGTGCTGAGGAGATGAGTGCCTGCTTAACCCGCTCTGTCG 736
QY 976 CCGTGGGCGAGTGCAGTATGAGGAGTGTGGCCAGCTGGCAGATGATGTGTGGGCTGG 1035
DB 737 CCGTGGGCGAGTGCAGTATGAGGAGTGTGGCCAGCTGGCAGATGATGTGTGGGCTGG 796
QY 1036 ATGACTTTAGAGAGAGCAGAGACTGGGGTCTGGCCAGCTATGATGTGTGGATGGA 1095
DB 797 ATGACTTTAGAGAGAGCAGAGACTGGGGTCTGGCCAGCTATGATGTGTGGATGGA 856
QY 1096 GCAACACAGCTTCTCAGTGTGATGAGATGAGATGAGTGTGAGTGTGAGCGGCTGAGG 1155
DB 857 GCAACACAGCTTCTCAGTGTGATGAGATGAGATGAGTGTGAGTGTGAGCGGCTGAGG 916
QY 1156 CTTTCCAGGCTATGACAGTGCCTGTAACAACATGACAGCTGGAGCCGCTGTGCTG 1215
DB 917 CTTTCCAGGCTATGACAGTGCCTGTAACAACATGACAGCTGGAGCCGCTGTGCTG 976
QY 1216 GCGGGGTGGAATGCTGCTTCCGCGGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1275
DB 977 GCGGGGTGGAATGCTGCTTCCGCGGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1036
QY 1276 GCCACAACTAGAGGAGCACTGGGGAGCCCAAGAGCCGCGGTGCTGCTGCTGCTGCTG 1335
DB 1037 GCCACAACTAGAGGAGCACTGGGGAGCCCAAGAGCCGCGGTGCTGCTGCTGCTGCTG 1096
QY 1336 GCGGCGGTGCTGCTGCTTCTGCAAGTGCCTGCTTCTTCTGCGGGGCTGCTGCTGCT 1395
DB 1097 GCGGCGGTGCTGCTGCTTCTGCAAGTGCCTGCTTCTTCTGCGGGGCTGCTGCTGCT 1156
QY 1396 TGAGCAAAATCTCTTCACTCTGATGTGTGTAACAATTCCTCTCGGCACTGGAGCA 1455
DB 1157 TGAGCAAAATCTCTTCACTCTGATGTGTGTAACAATTCCTCTCGGCACTGGAGCA 1216
QY 1456 CTTCCCGCAGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1515
DB 1217 CTTCCCGCAGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1276
QY 1516 AGCTGAGCCCAAGAGAGCCAGAGCCGCTGAGGAGCCGAGGAGAGCCGAGCCGATCC 1575
DB 1277 AGCTGAGCCCAAGAGAGCCAGAGCCGCTGAGGAGCCGAGGAGAGCCGAGCCGATCC 1336
QY 1576 TCATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1635
DB 1337 TCATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1396
QY 1636 GCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1695
DB 1397 GCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1456
QY 1696 TGACGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1755
DB 1457 TGACGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1516
QY 1756 GAGAGCAGCCCGCTGACAGAGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1815
DB 1517 GAGAGCAGCCCGCTGACAGAGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1576

RESULT 4
US-08-447-314-3
Sequence 3, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;
DB 256 GTTGACTTGAAGGAATGCAAGATGCTGCCACCCTTAAAGCCGAGGATCAG 315
DB 17 GTTGACTTGAAGGAATGCAAGATGCTGCCACCCTTAAAGCCGAGGATCAG 76
DB 316 GAGCTATGGACCAAGAGCCCTGTCTCTTACTGCTGCTCTTGTGGCAAGTGAG 375
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DB 376 ATGCTGATGAAGGAGCATTTGATCCTGCAAGTCCCTATGCTGGGATGAGG 435
DB 137 ATGCTGATGAAGGAGCATTTGATCCTGCAAGTCCCTATGCTGGGATGAGG 196
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DB 257 CCGGACACAGCAGGTTGAGAGCAGTGCAGGAGGAGGAGGAGGAGGAGGAGG 316

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Db 1397 GCGGCTGACTGCGCAGAGCTCCTAGACAAGCTTAAGGAGGCGCTTGGAAAGAGAGC 1456
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Qy 2536 CGCAGGGGCCACCATGACGTACCAATGCTGTCGATGTGGAGCCCAAGATCCGCTCCG 2595
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Qy 2596 GCATGCGCTATGCGCACAACCTTATGATCGGAGCCTGGCCAGCGGGAAGCTGCC 2655
Db 2339 GCATGCGCTATGCGCACAACCTTATGATCGGAGCCTGGCCAGCGGGAAGCTGCC 2398
Qy 2656 TAAGTGGGAAATTTACACATCAAAATCGCAGACTTGGCATGAGCGGAACCTCTATG 2715
Db 2399 TAAGTGGGAAATTTACACATCAAAATCGCAGACTTGGCATGAGCGGAACCTCTATG 2458
Qy 2716 CTGGGAGCTATTACCGGTGACAGGGCGGAGAGTGCCTCCATCCGCTGATGGCTGGG 2775
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Db 2459 CTGGGAGCTATTACCGGTGACAGGGCGGAGAGTGTGCTGCCATCCGCTGATGGCTGGG 2518
Qy 2776 AGTGATCTCTATGGGGAATTCACGACTGCGAGTGAAGCTGTGGGCTTTGGTGTACCC 2835
Db 2519 AGTGATCTCTATGGGGAATTCACGACTGCGAGTGAAGCTGTGGGCTTTGGTGTACCC 2578
Qy 2836 TGTGGAGTGTGATGCTGTGTAGGGCCAGCCCTTTGGGCAAGCTCACCGAGAGCAG 2895
Db 2579 TGTGGAGTGTGATGCTGTGTAGGGCCAGCCCTTTGGGCAAGCTCACCGAGAGCAG 2638
Qy 2896 TCATGAGAACCGGGGGGATTTCTCCGGAGACAGGGGCGGAGGATACCTGTCCGGC 2955
Db 2639 TCATGAGAACCGGGGGGATTTCTCCGGAGACAGGGGCGGAGGATACCTGTCCGGC 2698
Qy 2956 CGCTGCTGCGCGCAGGCGCTATATGAGCTATGCTGTGTGTGAGCCGGGAGTCTG 3015
Db 2699 CGCTGCTGCGCGCAGGCGCTATATGAGCTATGCTGTGTGTGAGCCGGGAGTCTG 2758
Qy 3016 AGCAGGACCCCTTTTCCAGCTGATCGGTTCTGTGGCAGAGATGCACTCAACAGG 3075
Db 2759 AGCAGGACCCCTTTTCCAGCTGATCGGTTCTGTGGCAGAGATGCACTCAACAGG 2818
Qy 3076 TGTGATTCACATCCAGCTGCGCCCTCCCTCAAGGAGTATCCAGGGGAAGCCATGACA 3135
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Db 2879 CTAAACAAGAGACACATGAGCACCCTGCGCTTCCCTCCCGAGAGCCATACACTCT 2938
Qy 3196 AATAGAGCAGTGAAGCTGACAGTGGGCTGGGCCACCCAGGAGACTATGCCCTTCTC 3255
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Db 2959 CCTTCTGTGACACACTGATGCTCCCTCTCTGTCTTCTCTTAAGAGCCCTGTGCG 2972
Qy 3316 CCCACCAAGCTGCTCTGTGATGGGATTCCTCCACCCCTCTTACGATCCCTTGGGG 3375
Db 2973 CCCACCAAGCTGCTCTGTGATGGGATTCCTCCACCCCTCTTACGATCCCTTGGGG 3032
Qy 3376 AAGGTGGGGAAATATAGATAGACACTGACATGCGCCATTGAGACACTGGGCCCC 3435
Db 3033 AAGGTGGGGAAATATAGATAGACACTGACATGCGCCATTGAGACACTGGGCCCC 3092
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Db 3273 GAAACACTGAGCTGGGGGTAGCCCGCCCAAGCCCTTAGTACACCCCACTTCCACTTG 3332
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QY 3855 TTTTAACTATATATGAGCACTGTTGAGGCAATTTTAACTCCCGACCTAGCAGGTA 3914
 DB 3513 TTTTAACTATATATGAGCACTGTTGAGGCAATTTTAACTCCCGACCTAGCAGGTA 3572
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 DB 3573 ATATAAGGTTGAGTTTCCACAAAAA 3611

RESULT 5 US-08-445-461-3

1 Sequence 3, Application US/08445461
 2 Patent No. 6096527

GENERAL INFORMATION:

1 APPLICANT: Godowski, Paul J.
 2 APPLICANT: Mark, Melanie R.
 3 APPLICANT: Scadden, David T.
 4 APPLICANT: Baker, Kevin P.
 5 APPLICANT: Baron, Will F.
 6 TITLE OF INVENTION: Protein Tyrosine Kinases
 7 NUMBER OF SEQUENCES: 35
 8 CORRESPONDENCE ADDRESS:
 9 ADDRESSEE: Genentech, Inc.
 10 STREET: 460 Point San Bruno Blvd
 11 CITY: South San Francisco
 12 STATE: California
 13 COUNTRY: USA
 14 ZIP: 94080

COMPUTER READABLE FORM:

1 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 2 COMPUTER: IBM PC compatible
 3 OPERATING SYSTEM: PC-DOS/MS-DOS
 4 SOFTWARE: patin (Genentech)
 5 CURRENT APPLICATION DATA:
 6 APPLICATION NUMBER: US/08/445,461
 7 FILING DATE: 22-MAY-1995
 8 CLASSIFICATION: 530

PRIOR APPLICATION DATA:

1 APPLICATION NUMBER: 08/170558
 2 FILING DATE: 20-DEC-1993
 3 PRIOR APPLICATION DATA:
 4 APPLICATION NUMBER: 08/157563
 5 FILING DATE: 23-NOV-1993
 6 ATTORNEY/AGENT INFORMATION:
 7 NAME: Hasak, Janet E.
 8 REGISTRATION NUMBER: 28,616
 9 REFERENCE/DOCKET NUMBER: 854C3
 10 TELECOMMUNICATION INFORMATION:
 11 TELEPHONE: 415/225-1896
 12 TELEFAX: 415/952-9881
 13 TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:

1 SEQUENCE CHARACTERISTICS:
 2 LENGTH: 3637 bases
 3 TYPE: nucleic acid
 4 STRANDEDNESS: single
 5 TOPOLOGY: linear
 6 US-08-445-461-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
 Best Local Similarity 97.0%; Pred. No. 0;
 Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAGAAATGCCAAGAGATGCTGCCACCCCTTATGCGCCGAGGATCAG 315
 DB 17 GTTGACTTGAAGAAATGCCAAGAGATGCTGCCACCCCTTATGCGCCGAGGATCAG 76
 QY 316 GAGCATATGGACCGAGGCGCTGTCATCTTACTTACTGCTGCTCTTGTGGCAAGTGAG 375
 DB 77 GAGCATATGGACCGAGGCGCTGTCATCTTACTTACTGCTGCTCTTGTGGCAAGTGAG 136

QY 376 ATGCTGACATGANGGAGCATTTTGATCTCTCCAAAGTCCGCTATGCCCTGGCATCAGG 435
 DB 137 ATGCTGACATGANGGAGCATTTTGATCTCTCCAAAGTCCGCTATGCCCTGGCATCAGG 196
 QY 436 ACCGAGCATCCCGACAGAGATCATCTCTCCAGCTCTCTGATGATTCACAGTCCG 495
 DB 197 ACCGAGCATCCCGACAGAGATCATCTCTCTCCAGCTCTCTGATGATTCACAGTCCG 256
 QY 496 CCCGCCACAGCAGTTGGAGAGCAGTGCAGGAGTGGGCTGTGCTCCCGCAGGCTCG 555
 DB 257 CCCGCCACAGCAGTTGGAGAGCAGTGCAGGAGTGGGCTGTGCTCCCGCAGGCTCG 316
 QY 556 TGTTCCTCCAAAGAGAGAGATCTGAGAGTGTCTACACAGCTCCAGCTGTGCTC 615
 DB 317 TGTTCCTCCAAAGAGAGAGATCTGAGAGTGTCTACACAGCTCCAGCTGTGCTC 376
 QY 616 TGTTCCTCCAAAGAGAGAGATCTGAGAGTGTCTACACAGCTCCAGCTGTGCTC 675
 DB 377 TGTTCCTCCAAAGAGAGAGATCTGAGAGTGTCTACACAGCTCCAGCTGTGCTC 436
 QY 676 GCTGCTTACTCCCGAGATGCTCCGCTGATGGGCTGGAAGGACCGCTGGGCTCAG 735
 DB 437 GCTGCTTACTCCCGAGATGCTCCGCTGATGGGCTGGAAGGACCGCTGGGCTCAG 496
 QY 736 AGGTGATCTCAGGCAATGAGGACCTGAGGAGTGTCTGTAAGACCTTGGGCCCCCA 795
 DB 497 AGGTGATCTCAGGCAATGAGGACCTGAGGAGTGTCTGTAAGACCTTGGGCCCCCA 556
 QY 796 TGGTGGCCGAGCTGCTTCTCTACCCCGGCTACCGGCTGATGATGTCTGTCTG 855
 DB 557 TGGTGGCCGAGCTGCTTCTCTACCCCGGCTACCGGCTGATGATGTCTGTCTG 616
 QY 856 GGTGAGAGCTATGAGCTCTCTGAGAGATGAGTCTCTTACACCGGCTGTG 915
 DB 617 GGTGAGAGCTATGAGCTCTCTGAGAGATGAGTCTCTTACACCGGCTGTG 676
 QY 916 GCGAGCAATGATTTATCTGAGGCGCTGTACTCAGACCTCCACTGAGGACATA 975
 DB 677 GCGAGCAATGATTTATCTGAGGCGCTGTACTCAGACCTCCACTGAGGACATA 736
 QY 976 CCGTGGGCGAGTGAATGAGGAGTGGGCTGTGAGTGGCAGTATGTTGGTGGCTG 1035
 DB 737 CCGTGGGCGAGTGAATGAGGAGTGGGCTGTGAGTGGCAGTATGTTGGTGGCTG 796
 QY 1036 ATGACTTTAGAAAGATCGAGAGCTGCGGGCTGCGCAGCTATGCTATGAGTGA 1095
 DB 797 ATGACTTTAGAAAGATCGAGAGCTGCGGGCTGCGCAGCTATGCTATGAGTGA 856
 QY 1096 GCAACCAAGCTTCTCCAGTGCCTATGAGAGTGAAGTTGAGTTCACCGGCTGAGG 1155
 DB 857 GCAACCAAGCTTCTCCAGTGCCTATGAGAGTGAAGTTGAGTTCACCGGCTGAGG 916
 QY 1156 CTTCCAGGCTATGAGAGTGCCTATGAGAGTGCCTATGAGAGTGCCTATGAGAGTGC 1215
 DB 917 CTTCCAGGCTATGAGAGTGCCTATGAGAGTGCCTATGAGAGTGCCTATGAGAGTGC 976
 QY 1216 GCGGGGTGAATGTGCTTCCGCGTGGCGCTGACATGAGCTGGGAGGAGGCCATGC 1275
 DB 977 GCGGGGTGAATGTGCTTCCGCGTGGCGCTGACATGAGCTGGGAGGAGGCCATGC 1036
 QY 1276 GCCACAACTAGGAGGCAACTGAGGAGCCGAGAGCCGAGGCTGTCTAGTCCCTTG 1335
 DB 1037 GCCACAACTAGGAGGCAACTGAGGAGCCGAGAGCCGAGGCTGTCTAGTCCCTTG 1096
 QY 1336 GCGGCGGTGAGCTGCTTCCAGTGCCTATGAGAGTGCCTATGAGAGTGCCTATG 1395
 DB 1097 GCGGCGGTGAGCTGCTTCCAGTGCCTATGAGAGTGCCTATGAGAGTGCCTATG 1156
 QY 1396 TCAGGAAATCTCCTTCACTCTGATGTGTAACAATTCCTCCGACACTGGAGGCA 1455
 DB 1157 TCAGGAAATCTCCTTCACTCTGATGTGTAACAATTCCTCCGACACTGGAGGCA 1216
 QY 1456 CTTTCGCCGACGCCCTGTGAGCGGCTGTGCGCCACTGCCACCACTTCAGACCTTGG 1515

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Db 1217 CCTCCCGCCAGACCCCTGTGTGGCCGCTGGCCACCTCCCAACTTCACAGAGTTTG 1276
OY 1516 AGCTGGACCCAGAGGCCAGCAGCCCGTGGCCAAAGCCGAGGGGAGACCCGACCCCATCC 1575
Db 1277 AGCTGGACCCAGAGGCCAGCAGCCCGTGGCCAAAGCCGAGGGGAGACCCGACCCCATCC 1336
OY 1576 TCATCGGCTGTGCTGGTGGCAATCATCTGTCCTGCTCATCTCATTTGGCCCTCATGCTCT 1635
Db 1337 TCATCGGCTGTGCTGGTGGCAATCATCTGTCCTGCTCATCTCATTTGGCCCTCATGCTCT 1396
OY 1636 GCGCGCTGCTACTGGGCGCAGGCTGCTCAGCAAGGCTGAAGAGGAGGAGGAGGAGGAGGAGC 1695
Db 1397 GCGCGCTGCTACTGGGCGCAGGCTGCTCAGCAAGGCTGAAGAGGAGGAGGAGGAGGAGGAGC 1456
OY 1696 TGACGGTTACACTCTCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1755
Db 1457 TGACGGTTACACTCTCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1516
OY 1756 GAGAGCCACCCCGTAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1815
Db 1517 GAGAGCCACCCCGTAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1576
OY 1816 GTGTCCCAATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1875
Db 1577 GTGTCCCAATGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1636
OY 1876 CTTAAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1935
Db 1637 CTTAAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1696
OY 1936 ACACCCAGGCTTACAGTGGGAGCTATATGAGCCCTGAGAACCCAGGCGCCCGCTTCTGCTG 1995
Db 1697 ACACCCAGGCTTACAGTGGGAGCTATATGAGCCCTGAGAACCCAGGCGCCCGCTTCTGCTG 1756
OY 1996 CCCCACCTCCCGCAGAACAGGCTGCCCATTTAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2055
Db 1757 CCCCACCTCCCGCAGAACAGGCTGCCCATTTAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1816
OY 2056 GCGTCACCGGGGGGACACACCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2115
Db 1817 GCGTCACCGGGGGGACACACCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1876
OY 2116 GGGCCCCCAAGTGGATTTCCCTGATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2175
Db 1877 GGGCCCCCAAGTGGATTTCCCTGATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1936
OY 2176 GCCAGTTGGGAGGAGTGCACCTGTGTGAGGTCGACAGCCCTCAAGATGTGCTCACTTGG 2235
Db 1937 GCCAGTTGGGAGGAGTGCACCTGTGTGAGGTCGACAGCCCTCAAGATGTGCTCACTTGG 1996
OY 2236 ATTTCCCTTAATGCTGCTGAAGGACACCTTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2295
Db 1997 ATTTCCCTTAATGCTGCTGAAGGACACCTTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2056
OY 2296 CAGATGCCACCAAGATGCCAGCTTCTCTGTTCTCCAGGAATGATTTCTCTGAAGAGG 2355
Db 2057 CAGATGCCACCAAGATG-----CCAGGAATGATTTCTCTGAAGAGG 2098
OY 2356 TGAAGATCATGTGAGGCTCAAGGACCCCAACATCATTTGGGCTCTTGGGCTGTGTGTGC 2415
Db 2099 TGAAGATCATGTGAGGCTCAAGGACCCCAACATCATTTGGGCTCTTGGGCTGTGTGTGC 2158
OY 2416 AGGACGACCCCTCTGCTGATGATTTACTGACTACATGAGAAAGGAGGAGGAGGAGGAGGAGG 2475
Db 2159 AGGACGACCCCTCTGCTGATGATTTACTGACTACATGAGAAAGGAGGAGGAGGAGGAGGAGG 2218
OY 2476 TCAGTCCCAACAGCTGAGAGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2535
Db 2219 TCAGTCCCAACAGCTGAGAGGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2278
OY 2536 CGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2595
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Db 2279 CGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2338
OY 2596 GCATGGCTATCTGCGCACACTCACTTTGTACATGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2655
Db 2339 GCATGGCTATCTGCGCACACTCACTTTGTACATGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2398
OY 2656 TAGTTGGGAAAATTTCCACATCAAAATGAGAGACTTTGGCATGAGAGCGGAACTCTATG 2715
Db 2399 TAGTTGGGAAAATTTCCACATCAAAATGAGAGACTTTGGCATGAGAGCGGAACTCTATG 2458
OY 2716 CTGGGAGCTATTAACGTTGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2775
Db 2459 CTGGGAGCTATTAACGTTGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2518
OY 2776 AGTGCATCCTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2835
Db 2519 AGTGCATCCTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2578
OY 2836 TGTGGAGGCTGATGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2895
Db 2579 TGTGGAGGCTGATGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2638
OY 2896 TCATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2955
Db 2639 TCATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2698
OY 2956 GCGCTGCTGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3015
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OY 3016 AGCAGCGACACCCCTTTTCCAGCTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3075
Db 2759 AGCAGCGACACCCCTTTTCCAGCTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2818
OY 3076 TGTGATCACACATCCAGTGCCTCCCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3135
Db 2819 TGTGATCACACATCCAGTGCCTCCCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2878
OY 3136 CTAAACAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3195
Db 2879 CTAAACAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2938
OY 3196 AATAGAGCAGTGAACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3255
Db 2939 AATAGAGCAGTGAACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2958
OY 3256 CCCTTCTGGAACACTCTCATGTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3315
Db 2959 -----AGAGGCCCTGTGC 2972
OY 3316 CCGACCGAGTGCCTGTGATGGATGCGTCCTTCCACCTCTCTCAAGCATTCCTTGGGG 3375
Db 2973 CCGACCGAGTGCCTGTGATGGATGCGTCCTTCCACCTCTCTCAAGCATTCCTTGGGG 3032
OY 3376 AAGGTTGGGAGAAATATAGATAGACACTGAGACCTGAGCATTGGAGAGGAGGAGGAGGAG 3435
Db 3033 AAGGTTGGGAGAAATATAGATAGACACTGAGACCTGAGCATTGGAGAGGAGGAGGAGGAG 3092
OY 3436 ACTGACACACTGATTTCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3494
Db 3093 ACTGACACACTGATTTCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3152
OY 3495 ACACGAGACCCCATGCTGATGAGATCTGGGGGTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3554
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OY 3555 TTTCCTTGTGCTGCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3614
Db 3213 TTTCCTTGTGCTGCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3272
OY 3615 GAAACACTGAGCTGGGGGATAGCCCGCCAGGCTGAGTACACCCCACTTCCCACTTG 3674
Db 3273 GAAACACTGAGCTGGGGGATAGCCCGCCAGGCTGAGTACACCCCACTTCCCACTTG 3332
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QY 3675 CAGCTTGTAGCTAGACTCTCTAAGCCTATAGCTTCTGTGGAGTAAATTTGGAT 3734
 Db 3333 CAGCTTGTAGCTAGACTCTCTAAGCCTATAGCTTCTGTGGAGTAAATTTGGAT 3392
 QY 3735 GGGGGGAAAGAGGAGGAGCAGCGCCATAGCTTGGGGTGGAGCATCTCTAGTACGTC 3794
 Db 3393 GGGGGGAAAGAGGAGGAGCAGCGCCATAGCTTGGGGTGGAGCATCTCTAGTACGTC 3452
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 Db 3453 CACATGTATTTTCTATATACCTTGGGGTGTGACATTTTGGGGGAGAGACAGAT 3512
 QY 3855 TTATACCTATATATAGCCTAGCTTGGAGCATTTTATCCCTGACATGAGCAGTA 3914
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 Db 3573 ATATATAAGTTGAGTTTCCACAAAAA 3611

RESULT 6

US-08-445-640-7
 ; Sequence 7, Application US/08445640
 ; Patent No. 5709858
 ; GENERAL INFORMATION:
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Scadden, David T.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Baron, Will F.
 ; TITLE OF INVENTION: Protein Tyrosine Kinases
 ; NUMBER OF SEQUENCES: 35
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: patin (genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/445,640
 ; FILING DATE: 22-MAY-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/170558
 ; FILING DATE: 20-DEC-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/157563
 ; FILING DATE: 23-NOV-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Hasak, Janet E.
 ; REGISTRATION NUMBER: 28,616
 ; REFERENCE/DOCKET NUMBER: 854C2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-1896
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1197 bases
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-445-640-7

Query Match 30.1%; Score 1192.2; DB 1; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 6.4e-273;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAGGAGCATTTTATGATCTCTGCAAGTCCGCTATGCTTGGGATGAG 434
 Db 1 GATGCTGACATGAGGAGCATTTTATGATCTCTGCAAGTCCGCTATGCTTGGGATGAG 60
 QY 435 GACCGAGCATCCCGAGAGAGTACATCTGCTTCCACTCTCTGTCAGATCTCCATCC 494
 Db 61 GACCGAGCATCCCGAGAGAGTACATCTCTGCTTCCACTCTCTGTCAGATCTCCATCC 120
 QY 495 GCCCGCACACAGAGTTGAGAGCAGTACCGGGATGGGGCTGGTCCCGCAGAGTCG 554
 Db 121 GCCCGCACACAGAGTTGAGAGCAGTACCGGGATGGGGCTGGTCCCGCAGAGTCG 180
 QY 555 GTGTTTCCCAAGAGAGAGATCTTGCAGTGTGATCTTCAACAGACTCCACTGGTGGCT 614
 Db 181 GTGTTTCCCAAGAGAGAGATCTTGCAGTGTGATCTTCAACAGACTCCACTGGTGGCT 240
 QY 615 CTGTTGGGACCCAGAGGAGGAGTCCCGGGGCTCGGGCAGAGATCTCCCGAGCTAC 674
 Db 241 CTGTTGGGACCCAGAGGAGGAGTCCCGGGGCTCGGGCAGAGATCTCCCGAGCTAC 300
 QY 675 CGGCTGGCTTACTCCCGGATGTCGCCGCTGATGGGCTGGAAGAGCCGCTGGGCTAG 734
 Db 301 CGGCTGGCTTACTCCCGGATGTCGCCGCTGATGGGCTGGAAGAGCCGCTGGGCTAG 360
 QY 735 GAGTGTATTCAGCAATGAGAGCCCTGAGGAGTGTGCTGGAAGAGACTTTGGGCCCC 794
 Db 361 GAGTGTATTCAGCAATGAGAGCCCTGAGGAGTGTGCTGGAAGAGACTTTGGGCCCC 420
 QY 795 ATGTTGCCGAGCTGCTGCTTCTACCCCCGGGCTGACCGGGATCAGATGCTGTGTG 854
 Db 421 ATGTTGCCGAGCTGCTGCTTCTACCCCCGGGCTGACCGGGATCAGATGCTGTGTG 480
 QY 855 CGGTTAGAGCTTATGAGCTGCTTGGAGGATGAGCTCTGTTACACCGCCCTGTG 914
 Db 481 CGGTTAGAGCTTATGAGCTGCTTGGAGGATGAGCTCTGTTACACCGCCCTGTG 540
 QY 915 GGGCAGACATGTTTATCTGAGGCGCTGTACTCAACGACTCCACTATGAGGAGAT 974
 Db 541 GGGCAGACATGTTTATCTGAGGCGCTGTACTCAACGACTCCACTATGAGGAGAT 600
 QY 975 ACCGTGGCGGAGCTGAGTATGGGGGCTGGGCGAGTGGAGATGGTGGTGGGCTG 1034
 Db 601 ACCGTGGCGGAGCTGAGTATGGGGGCTGGGCGAGTGGAGATGGTGGTGGGCTG 660
 QY 1035 GATGACTTTAGGAAGAGTCAAGAGCTGGGCTGCGCAGGCTATGACTATGTGGATG 1094
 Db 661 GATGACTTTAGGAAGAGTCAAGAGCTGGGCTGCGCAGGCTATGACTATGTGGATG 720
 QY 1095 AGCAGACACAGCTTCTCCACTGCTATGTGAGATGAGATTTGAGTTGACCGGCTAG 1154
 Db 721 AGCAGACACAGCTTCTCCACTGCTATGTGAGATGAGATTTGAGTTGACCGGCTAG 780
 QY 1155 GCCTTCAGGCTATGAGGAGCACTGTAAACAATGAGACAGCTGGGAGCCGCTCTCCT 1214
 Db 781 GCCTTCAGGCTATGAGGAGCACTGTAAACAATGAGACAGCTGGGAGCCGCTCTCCT 840
 QY 1215 GGGGGGATGGAATGTGCTTCCCGGCTGCGCTGCATGCGCTGGAGAGGGAGACCATG 1274
 Db 841 GGGGGGATGGAATGTGCTTCCCGGCTGCGCTGCATGCGCTGGAGAGGGAGACCATG 900
 QY 1275 CGGCACACCTTGGGGGCAACTGGGGAGCCCAAGAGCCCGGCTGTCTAGTGGCCCTT 1334
 Db 901 CGGCACACCTTGGGGGCAACTGGGGAGCCCAAGAGCCCGGCTGTCTAGTGGCCCTT 960
 QY 1335 GGGGGGCTGTGGCTGCTTCTGCAAGTCCGCTTCTTTCGGGGGCTGTGATCTG 1394
 Db 961 GGGGGGCTGTGGCTGCTTCTGCAAGTCCGCTTCTTTCGGGGGCTGTGATCTG 1020
 QY 1395 TTCAGGCAATCTCTTCTGATGTGTAACAATCTCTCTCCGGCAGTGGAGG 1454

Dy	1021	TTGAGCAAAATCTCCTTCATCTGTGANGTGTGAACAATTCTCTCGGGCACTTGGAAGCC	1080
OY	1455	ACCTTCCCAGCAGCCCCCTGTGTGGCGCGCTGGGCCACACTCCACACAACTTAGAGCTTG	1514
Dd	1081	ACCTTCCCAGCAGCCCCCTGTGTGGCGCGCTGGGCCACACTCCACAACTTAGAGCTTG	1140
OY	1515	GAGCTGGAGCCAGAGGCCAGAGCCCGGTGGCCAAAGGCCAGAGGGAGCCGACCGCC	1571
Dd	1141	GAGCTGGAGCCAGAGGCCAGAGCCCGGTGGCCAAAGGCCAGAGGGAGCCGACCGCC	1197
RESULT 7			
US-08-170-558-7			
Sequence 7, Application US/08170558			
Patent No. 6001621			
GENERAL INFORMATION:			
APPLICANT: Godowski, Paul J.			
APPLICANT: Mark, Melanie R.			
APPLICANT: Scadden, David T.			
APPLICANT: Baker, Kevin P.			
APPLICANT: Baron, Will F.			
TITLE OF INVENTION: Protein Tyrosine Kinases			
NUMBER OF SEQUENCES: 35			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Genentech, Inc.			
STREET: 460 Point San Bruno Blvd			
CITY: South San Francisco			
STATE: California			
COUNTRY: USA			
ZIP: 94080			
COMPUTER READABLE FORM:			
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: patin (Genentech)			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/170.558			
FILING DATE: 20-DEC-1993			
CLASSIFICATION: 435			
PRIOR APPLICATION DATA:			
APPLICATION NUMBER: 08/157563			
FILING DATE: 23-NOV-1993			
ATTORNEY/AGENT INFORMATION:			
NAME: Hasak, Janet E.			
REGISTRATION NUMBER: 28,616			
REFERENCE/DOCKET NUMBER: 854C1			
TELECOMMUNICATION INFORMATION:			
TELEPHONE: 415/225-1896			
TELEFAX: 415/952-9881			
TELEX: 910/371-7168			
INFORMATION FOR SEQ ID NO: 7:			
SEQUENCE CHARACTERISTICS:			
LENGTH: 1197 bases			
TYPE: nucleic acid			
STRANDEDNESS: single			
TOPOLOGY: linear			
US-08-170-558-7			
Query Match			
Best Local Similarity 30.1%; Score 1192.2; DB 3; Length 1197;			
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
OY	375	GATGCTGCATCAAGAAGCATTTTATCTCTGCCAAGTGCCTATAGCCCTGGGATGCAG	434
Dd	1	GATGCTGCATCAAGAAGCATTTTATCTCTGCCAAGTGCCTATAGCCCTGGGATGCAG	60
OY	435	GACGCGACCATCCAGACAGTGAATCTGTCTTCAGTCTCTGGTGCAGATTCACACTGCC	494
Dd	61	GACGCGACCATCCAGACAGTGAATCTGTCTTCAGTCTCTGGTGCAGATTCACACTGCC	120
OY	495	GCCGCGCACAGCAGGTGTGAGAGCAGTACGGGATGGGGCCTGTGTGCCCCGACAGGCTGC	554

US-08-447-314-7
Sequence 7, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 6.4e-273;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

DB 375 GATGTCATGATGAAGGACATTTGATCCGCAAGTGCCTGATCCCTGGGATGCGAG 434
1 GATGTCATGATGAAGGACATTTGATCCGCAAGTGCCTGATCCCTGGGATGCGAG 60
435 GACCGGACCATCCACAGATGATCTGCTTCCAGCTCCCTGATGATCCAGTCCAGC 494
61 GACCGGACCATCCACAGATGATCTGCTTCCAGCTCCCTGATGATCCAGTCCAGC 120
495 GCCCGGACAGAGTGTGAGAGAGTACGAGGAGTGGGCTGTGCTGCCCGCAGGGTGC 554
121 GCCCGGACAGAGTGTGAGAGAGTACGAGGAGTGGGCTGTGCTGCCCGCAGGGTGC 180
555 GTGTTTCCCAAGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 614
181 GTGTTTCCCAAGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 240
615 CTGGTGGGACCCAGGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 674
241 CTGGTGGGACCCAGGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 300
675 CGGCTGCGTACTCCCGGAGTGTGCGCGCTGATGAGGCTGGAAGAGCCGCTGGGGTCA 734

DB 301 CGGCTGCGTACTCCCGGAGTGTGCGCGCTGATGAGGATGAGGACCGCTGGGGTCA 360
735 GAGGTGATCTCAGGCAATGAGAGACCTGAGGAGAGTGTGAGAGAGTGTGAGGAGC 794
361 GAGGTGATCTCAGGCAATGAGAGACCTGAGGAGAGTGTGAGAGAGTGTGAGGAGC 420
795 ATGTTGGCCGACCTGTGCTTACCCCGGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 854
421 ATGTTGGCCGACCTGTGCTTACCCCGGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 480
855 CGGTTAGAGCTCTATGCTGCTTACCCCGGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 914
481 CGGTTAGAGCTCTATGCTGCTTACCCCGGAGTGTGAGAGAGTGTGAGAGAGTGTGAG 540
915 GGGCAGCAATGATTTATCTGAGGCGCTGATGAGAGAGTGTGAGAGAGTGTGAGAGAT 974
541 GGGCAGCAATGATTTATCTGAGGCGCTGATGAGAGAGTGTGAGAGAGTGTGAGAGAT 600
975 ACCGTGGCGGACCTGAGATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTG 1034
601 ACCGTGGCGGACCTGAGATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTG 660
1035 GATGACTTTAGAGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTG 1094
661 GATGACTTTAGAGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTG 720
1095 AGCAACCAAGCTTCTCAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGG 1154
721 AGCAACCAAGCTTCTCAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGG 780
1155 GCCTTCCAGGCTTATGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 1214
781 GCCTTCCAGGCTTATGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 840
1215 GCGGGGAGTGTGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 1274
841 GCGGGGAGTGTGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 900
1275 GCGCACAACTAGGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 1334
901 GCGCACAACTAGGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 960
1335 GCGGGGAGTGTGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 1394
961 GCGGGGAGTGTGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAG 1020
1395 TTCAGGAAATCTCTCATCTGATGATGATGATGATGATGATGATGATGATGATGATG 1454
1021 TTCAGGAAATCTCTCATCTGATGATGATGATGATGATGATGATGATGATGATGATG 1080
1455 ACCTTCCCGGACCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1514
1081 ACCTTCCCGGACCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
1515 GAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1571
1141 GAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1197

RESULT 9
US-08-445-461-7
Sequence 7, Application US/08445461
Patent No. 6085527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445,461
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 616
 REFERENCE/DOCKET NUMBER: 854C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1197 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-461-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 6.4e-273;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 375 GATGCTGACATGAGGAGACATTTGATCTGCTGCAATGTCGCGCATGCCCTGGGCATGCAG 434
DB 1 GATGCTGACATGAGGAGACATTTGATCTGCTGCAATGTCGCGCATGCCCTGGGCATGCAG 60
QY 435 GACCGGACCATCCAGACAGTACATCTCTGCTCCAGCTCCTGTCAGATTCCACTGAC 494
DB 61 GACCGGACCATCCAGACAGTACATCTCTGCTCCAGCTCCTGTCAGATTCCACTGAC 120
QY 495 GCGCCGCCACAGAGAGTTGGAGACAGTACGCGGAGTGGGCGCTGTGCCCCGAGGGTGC 554
DB 121 GCGCCGCCACAGAGAGTTGGAGACAGTACGCGGAGTGGGCGCTGTGCCCCGAGGGTGC 180
QY 555 GGTGTTCCCAAGAGAGAGAGTACTGTGAGTGGATCTCAAGCATCTCCACCTGGTGGCT 614
DB 181 GGTGTTCCCAAGAGAGAGAGTACTGTGAGTGGATCTCAAGCATCTCCACCTGGTGGCT 240
QY 615 CTGATGGGACACCAAGAGAGGCGCATGCCGCGGCGCTGGGCAAGAGTCTCCCGAGACTAC 674
DB 241 CTGATGGGACACCAAGAGAGGCGCATGCCGCGGCGCTGGGCAAGAGTCTCCCGAGACTAC 300
QY 675 CGGCTGCGCTTACTCCCGGAGTGTGCGCGCTGATGGGCTGGAAGAGACCGCTGGGGTACG 734
DB 301 CGGCTGCGCTTACTCCCGGAGTGTGCGCGCTGATGGGCTGGAAGAGACCGCTGGGGTACG 360
QY 735 GAGGTGATCTAGAGCAATGAGACCTCTGAGGAGTGTGCTGAAGAGACCTTGGGCCCCC 794
DB 361 GAGGTGATCTAGAGCAATGAGACCTCTGAGGAGTGTGCTGAAGAGACCTTGGGCCCCC 420
QY 795 ATGTTGCCCGACAGTGTGCTTCTACCCCGGCGCTGACCGGCGTATGAGTGTCTGTG 854
DB 421 ATGTTGCCCGACAGTGTGCTTCTACCCCGGCGCTGACCGGCGTATGAGTGTCTGTG 480

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QY 855 CGGCTAGAGCTCTATGCTGCTGCTGTGAGGAGATGAGTCTCTGTCTTACACGCCCTGTG 914
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DB 541 GGGCAGCAATGATTTATGAGGCGCGTGTACTCAAGACATCCACCTATGACGAGCAT 600
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DB 601 ACCGTGGCGGACTGACATGAGGAGTCTGGGCGCAGCTGACATGATGATGAGGAGTGG 660
QY 1035 GATGACTTTAGGAAGAGTCAAGAGTGTGCGGCTGTGGCAGGCTATGATGAGGAGTGG 1094
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QY 1095 AGCAACACAGCTTCTCCATGCTATGTGAGATGAGATGAGTGTGAGTTGACCGGCTGAGG 1154
DB 721 AGCAACACAGCTTCTCCATGCTATGTGAGATGAGATGAGTGTGAGTTGAGTTGAGGCTGAGG 780
QY 1155 GCCTCCAGGCTATGACAGTCCACTGTAAACATGATGACAGCTGGGAGCGCTGACCT 1214
DB 781 GCCTCCAGGCTATGACAGTCCACTGTAAACATGATGACAGCTGGGAGCGCTGACCT 840
QY 1215 GCGGGGGTGAATGTGCTTCCGCGTGTGCGCTGCGCATGCGCTGGGAGGGGAGCCCATG 1274
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QY 1275 GCGCACAACCTAGAGGAGCAACCTGAGGAGACCCCAAGACCGCGGCTGTCTGAGTCCCTT 1334
DB 901 GCGCACAACCTAGAGGAGCAACCTGAGGAGACCCCAAGACCGCGGCTGTCTGAGTCCCTT 960
QY 1335 GCGGCGCTGTGCTGCTTCTGCAAGTGTGCGCTGCTTCTGCGGAGCGCTGTGCTTACTC 1394
DB 961 GCGGCGCTGTGCTGCTTCTGCAAGTGTGCGCTGCTTCTGCGGAGCGCTGTGCTTACTC 1020
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DB 1021 TTCAGGGAATCTCTCATCTCTGATGTGTGTAACAAATTCCTCTCGGACATGGGAGGC 1080
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DB 1081 ACCTTCCCGCAGACCCCGTGTGTGCGCTGCGCCACCTGCCACCACTTCAGACAGCTTG 1140
QY 1515 GACCTGAGAGCCAGAGGAGGAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1571
DB 1141 GACCTGAGAGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1197

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RESULT 10
 US-08-336-343A-3
 Sequence 3, Application US/08336343A
 Patent No. 5677144
 GENERAL INFORMATION:
 APPLICANT: Ullrich, Axel
 APPLICANT: Alves, Frauke
 TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/08/336,343A

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 Db 2283 TCACGACCACTCATCAATATGTGTATGAGAGTGAAGCTTTAGGCTGTGTCTGAGCTAG 2224
 QY 886 ATGAGACTCTGTCTTACACCGCCCTGTGGGAGACAAATGATATTATCTAGG----- 939
 Db 2223 ATGGCTGTGTCTTCAATATGCTCAAGCTGGGAGAGCTTTGTAATCCCTGGAGGTTCCA 2164
 QY 940 CCGTGTACCTCAACGACTCCACCTATGAGGAAATACCGTGGGGGACTCCAGATGGGG 999
 Db 2163 TCATTATCTGAATGATTTCTGTATGATGAGACTGTGATACAGATACAGAAAGG- 2103
 QY 1000 GTGTGGGCGACTGCGAGATGATGTGTGTGGGGGTGATGATTTAGGAAGATGAGAGG 1059
 Db 2104 --CTAGGCCAATTTGACCGATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2047
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 QY 1120 ATGTGAGATGAGATTTGAGTTGACCGGCTGTGAGGCTTCCAGGCTATGACAGTCCACT 1179
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 QY 1180 GTAAACAATGACACAGCTGGAGCGCTGTGCTGGCGGGGGTGAATGCTGCTTCGCGG 1239
 Db 1926 GCACACAACTGTTGCTAAAGGTGTGAATCTTTAAAGGATGACAGTGTCTACCTCGCT 1867
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 QY 1360 AGTGGCTGTCTCTTGTGGGGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1419
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 QY 1540 CCGTGGCCAAAGCCGAGGGAGCCGACCGCATCTCTCAATCGGCTGGCTGGTGGCCATCA 1599
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 QY 1600 TCTGTCTGTGTCTCATCTATTTGCCCTATGCTGTGGGGCTGTGACTGTGGCGAGGCTCC 1659
 Db 1563 TCTTATTCCTCTGGCCATCATTTGTCATCTCTGGAAGGCACTGTGGCAAAAATG 1504
 QY 1660 TCAGCAAGGCTGAACGAGGGGTGTGAAGAGGAGCTGACGCTTCACTCTGTCTGCTG 1719
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 11 1 111

Db 1363 -----CCCCCTGCC 1354
 QY 1900 CGGGCCCCCAACACCCGCTGGGCAACCCACCAACCCAGGCTTACAGTGGGAGCT 1959
 Db 1353 CTGACTTACAGAGACCTTCCAGGCTGTATGCAAACTGCCGAATTTGCTCCAGAGGAGG 1294
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 QY 2137 CTGATCTGACTCCGCTTCAAGGAGAGCTTGGCGAGGCACTTTGGGAGGTGCACC 2196
 Db 1113 CAGAGAACTCTTACTTCAAGAGAGAGCTGGGAGAGGACAGTGTGGGAGTTCATC 1054
 QY 2197 TGTGTAGGTGACAGCCCTCAAGATCTGTCACTGTGATTTCCCTTAATGTGCTA 2256
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 Db 993 CCAACACGCTGTCTGT 935
 QY 2317 GCTTCTCTGT 2376
 Db 936 -----CCAGAAATGATTTTCTTAAGAGATTAAGATATGCTGTGCTCA 892
 QY 2377 AGACCCCAACATCATTTGCTGT 2456
 Db 891 AGACCCCAACATCATTTATCTGT 832
 QY 2437 TTAATGATCATGAGAGAGGAGGAGCTCAACAGTCTGTGAGTGTGTGTGTGTGTGTGTGTGT 2496
 Db 831 TCAGTGAATCATGAGAGAGAGATCTCAATCATGTTCTTTCCCGGAGAGCCCTCA 772
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 QY 2557 ACCCAATGCTGTGATGTGAGCCAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2616
 Db 738 ACACCAATCTGAAGTTATGTGTACCCAAATGTGCTGTGCTGTGATGATGATCTTCTCTC 679
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 QY 2677 TCAAAATCGAGACTTTGGCATGAGCCGGAACCTCTATGCTGGGAGTATTATTCAGTGTG 2736
 Db 618 TCAGATAGCTGATTTGGAATGAGAGAACTGTACATGTGTGATTTACCGATTC 559
 QY 2737 AGGGCGGGGAGTGTGCCATCGCTGTGATGCTGTGAGAGTGTGATCTCATGGGAGT 2796
 Db 558 AGGGCGGGGAGTGTGCCATCGCTGTGATGCTGTGAGAGTGTGATCTGTGAGGCAAGT 499
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 Db 498 TCAGTCAAGATGATGTGTGGCTTGTGTGAGTGTGATTTGTGTGAGAACTTTCACCTTT 439
 QY 2857 GTAGGCGGAGCTTTGGGCACTCACGAGAGAGAGTGTATGAAAGCGGGGAGT 2916
 Db 438 GTCAAAAGACGCTTATTCACAGTGTGATGATGATGATGATGATGATGATGATGATGATGATG 379
 QY 2917 TCTTCCGGACAGAGGCGGAGGAGTGTGCTGTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTG 2976
 Db 378 TCTTCCGAGAACAAAGGAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319

OY 2977 TATATGAGTGATGCTTGGTGGAGCCGAGAGTCTGAGACGACGACACCTTTTCCC 3036
 DB 318 TGTATAGAGTGAATGCTCAGCTGTGGAGAGAGATACGAAAGACGCTCTCATTTCCAG 259
 OY 3037 AGCTGATGCTTCTT 3052
 DB 258 AATCCACCTTCTGCT 243

RESULT 12

US-08-456-647B-19
 Sequence 19, Application US/08456647B
 Patent No. 5811516
 GENERAL INFORMATION:
 APPLICANT: Lemke Ph.D. et al, Greg E.
 TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
 NUMBER OF SEQUENCES: 54
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/456,647B
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/237,401
 FILING DATE: 02-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/884,486
 FILING DATE: 15-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Wetherell Ph.D., John R.
 REGISTRATION NUMBER: 31,678
 REFERENCE/DOCKET NUMBER: 07251/007002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 678-5070
 TELEFAX: (619) 678-5099
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3120 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 IMMEDIATE SOURCE:
 CLONE: Tyro-10
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 485..3047
 US-08-456-647B-19

Query Match 16.18; Score 639.8; DB 1; Length 3120;
 Best Local Similarity 56.58; Pred. No. 4,5e-142;
 Matches 1552; Conservative 0; Mismatches 987; Indels 210; Gaps 11;

OY 348 CTGGCGGCTCTGGTGGGCAAGTGGAGATGCTGACATGAAGGACATTTTATCTCTGCC 407
 DB 509 CTGGGCGGCTCTGGTGGGCAAGTGGAGATGCTGACATGAAGGACATTTTATCTCTGCC 568
 OY 408 AAGTGGCGCTATGCGCTGGGATGCGAGACGAGACATCCAGACATGACATCTCTGCT 467
 DB 569 AATAGCCGCTATCTCTGGGATGCGAGACGAGACATTTCCAGATGAGAGACATCTACAGCC 628

OY 468 TCCAGCTCCGTCGATGATTTCCACTGCCGCCGACAGCAAGTTGGAGACACTGACGG 527
 DB 629 TCAAGTCAAGTGTGATGATCCAGGCTGACCAATATGGGGCTGTGCTCTGAAGAAGA 688
 OY 528 GATGGGCTGTGTCGCCGAGGAGGTCGTTTCCCAAGA---GGAGAGTACTTGCAG 584
 DB 689 GATGAGACCTGTGTCCTGAGATTCAGTCAACCCGATCACTGAAGATTTCTGCAG 748
 OY 585 GTGATCTACAACTGACCTGATGCTGTGGTGGGACCCAGAGGACGATGCCGG 644
 DB 749 ATTGACTTGGCAACCTTATATCATCTTGTGGGAGCCAGGGGCCATGACGAG 808
 OY 645 GCGCTGGGCAAGATTTCTCCGAGCTACCGGCTGCTTACTCCGGGATGTGCCGC 704
 DB 809 GGTATGCGCTTGAATTTGGACCATGTATCAAAATCAATCACTGCGGATGCGACGCG 868
 OY 705 TGGATGGGCTGGAAGGACGCTGGGGGTGAGAGGTGATCTCAGGCAATGAGACCTGAG 764
 DB 869 TGGATCTCTGCGCTAACCGCATGGAGACAGGCTGTGATGGAACAGTAACCTTAT 928
 OY 765 GGAATGCTGTAAGACCTTGGGCCCCCATGTTGCCGACTGCTCTTACCC 824
 DB 929 GATGTAATCTGTAAGACCTTGGAGCCACCATGCTGCGCATTTGTCCCTTATCCA 968
 OY 825 CGGCTGACCGGCTCATGATGCTGTCTGGGGTGAAGCTATAGGCTGCTGAGAG 884
 DB 989 GTCACTGACACATCAATGACATGATGATGATGAGGTTGATGTTGTGCTGAGCTA 1048
 OY 885 GATGAGCTCTGTCTTACACCGCCCTGTGGGACAGCAATGATTTATGTAGG----- 939
 DB 1049 GATGCTTGTGATCTTACATGCTCAGCTGAGCAGAGTTGTACTCCCTGAGGCTCC 1108
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 DB 1109 ATGATTTATCTGATGATGATGCTGTCTATGATGAGCTGTGGTACAGATGACTAAGG 1168
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 DB 1169 ---CTAGGCCAGTTGACTGATGAGTATCCGGCTGATGATTTTACCGACCATGAA 1225
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 DB 1226 TACCACTGTGGCTGCTGATGCTAGCTAGTGGGATGCGGGAAGAGTCTCAACAGCT 1285
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 DB 1286 TTTATGAGATCATGTTTGAATTTGACCAATCAGGAATTTTACTACATGAAGGTCCAC 1345
 OY 1179 TGTACACATGACACAGCTGAGAGCCGTCCTGCGGCGGATGAGATGCTGCTCCG 1238
 DB 1346 TGCACACATGTTTCTAAAGTGTGAGATTTTAAAGAGTCCAGTGTCTTCTCCG 1405
 OY 1239 CGTGCGCTGCGCATGCGCTGGGAGGGGAGCCCATGCGCACACCTAGGGGCAACTG 1298
 DB 1406 TCGG---AAGCCAGCAGTGGGAAACCACTGCTGTACTTTCCCTGCTGAGCAT 1462
 OY 1299 GGGGACCCAGAGCCCGGGCTGTCTCAGTGGCCCTTGGGGCGCTGTGGCTGCTTCTG 1358
 DB 1463 GTGACCCAGTGGCCGGTTTGTGACGGTGGCCCTTCCACCCAGATGAGTCCAGTCCAC 1522
 OY 1359 CAGTGGCGCTCTCTTCTGCGGGCCCTGATTTACTTCAAGCAATCTCTCTCTCTCT 1418
 DB 1523 AAGTGCATATACATTTTTCGACAGCTGATGATTTTAAAGAGATCTTCCATTTCA 1582
 OY 1419 GATGTGCTAACAATTTCTCTCCGCACTGGAAGCACCCTTCCGCGACCCCTGTGG 1478
 DB 1583 GATGCTGAATGTATTAACAATCTGAGGCCCTTCCACACTCTCTCA----- 1628
 OY 1479 CGGCTGGGCCACCTGCCCAACTTCAAGACCTTGGAGCTTGGAGCCCAAGAGCCAGAG 1538
 DB 1629 -----TGGACCCACCACTATGAT 1648

1539 CCCGTGGCCAAAGGCGGAGGAGCCGACCCGACCTCATGGGCTGCTGGGCATC 1598
1649 CCCATGCTTAAGTATGATGATGACACACTGGATCTGATGATGCTGGTGGCCATC 1708
1599 ATCTGCTCCTGCTGCTGCTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1658
1709 ATCTGCTCCTGCTGCTGCTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1768
1659 CTCAGCAAGGCTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1718
1769 CTAGAAAGGCTGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1828
1719 GGGGACATATCTCATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1778
1829 AGCGATCTACAGATGTTAAATACACCGCTCTC-----ATACAAAGTAAAGAGAG 1882
1779 CCCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1838
1883 TCCAACTCTACTTATGATGATGATGATGATGATGATGATGATGATGATGATG 1942
1839 CTGCTCTCAATCCAGGCTTACCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1898
1943 CTGATC----- 1948
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1959 TATATGAGCCTGAGAAAGCCAGGCGCCGCTCTGCCCCACCTCCCCCAAGAGGTC 2018
1984 GTGAGGATGAGT 2038
2019 CCCCATTAATGCGAGGCTGATGATGATGATGATGATGATGATGATGATGATGAT 2078
2039 CCCCATATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2098
2079 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2135
2099 TGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2158
2136 CCTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2195
2159 CCGAGAAATGTTGGCTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2218
2196 CTTGTGAGGCTGAGACAGGCTGATGATGATGATGATGATGATGATGATGATG 2255
2219 CTCTGTAAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2278
2256 AAGGAGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2315
2279 GCCAAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2336
2316 AGCTTCTCTGTTTCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2375
2337 -----CGAGAAATGATTTCTTAAGGAGGAGGAGGAGGAGGAGGAGGAGG 2380
2376 AAGGACCCCAATCAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2435
2381 AAGGACCCCAATCAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2440
2436 ATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2495
2441 ATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2500
2496 GACAAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2555
2501 A-----GTTCTGTTCTAGTATGATGATGATGATGATGATGATGATGATG 2530
2556 TACCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2615
2531 TAGGCAACCTGAAATTTATGAGCAACCAATTTGCTGCTGCTGCTGCTGCTGCT 2590
2616 CTCACCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2675

2591 CTCAACTTTGCTCACCGAGATCTGGCCACACCAAACTTTAGTGGGCAAGAAATACAC 2650
2676 ATCAAAATGCGAGTATGGGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2735
2651 ATCAAAATGCTGATTTTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2710
2736 CAGGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2795
2711 CAGGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2770
2796 TTCAGCTGCGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2855
2771 TTCACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2830
2856 TGTAGGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2915
2831 TCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2890
2916 TTTCTCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2975
2891 TTTCTCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2950
2976 CTATATGAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3035
2951 GTGTATAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3010
3036 CAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3084
3011 GAAATACACT 3059

RESULT 13

US-08-237-401A-19

Sequence 19, Application US/08237401A

Patent No. 5837448

GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.

TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES

NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Fish & Richardson P.C.

STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla

STATE: CA

COUNTRY: US

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/237,401A

FILING DATE: 02-MAY-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/884,486

FILING DATE: 15-MAY-1992

ATTORNEY/AGENT INFORMATION:

NAME: Halle Ph.D., Lisa A.

REGISTRATION NUMBER: 38,347

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 678-5090

TELEFAX: (619) 678-5099

INFORMATION FOR SEQ. ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 3120 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA


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; IMMEDIATE SOURCE:
; CLONE: Tyro-10
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 485..3047
US-08-237-401A-19

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Query Match	16.18	Score 639.8	DB 2	Length 3120
Best Local Similarity	56.5%	Pred. No. 4.5e-142		
Matches 1552; Conservative	0	Mismatches		

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Db 1406 TCGG---AAACCCAGCGATGGGGAACCCACACTGCTGTCTACTTTCCCTGGTCTGGACAT 1467
 QY 1299 GGGGACCCAGAGACCGGAGCTGTCTAGTGGCCCTTGGCGCGGTGGCTGTGCTTTCTG 1358
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 QY 1419 GATGTGGTAACAATTCCTCTCCGCACTGGGAGGACACTTCCCGCCAGGCCCTGGTGG 1478
 Db 1583 GATGTGCAATGATTAACAATCTGGAAGCCCTTCCCACTCTCTTA----- 1628
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 QY 2256 AAGGACACCTTGTGCTGATAGCTGTCAAGATCTTACGGCCAGATGCACCAAGATGGC 2315
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Db	2337	-----CCAGATGATTTTCTTAAGGAGATCAAGATCATGTCGTGGCTC	2380
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QY	2436	ATTACTACTACATGAGGAACGGCGACCTCAACAGATTCCTGAGTGGCCACAGGTGGAG	2495
Db	2441	ATCACGGAATACATGAGAGATGGAGATCTTAATACATTTCTTCTGCGACAGCTCTGTG	2500
QY	2496	GACAAAGCAGCCGAGGGGGCCCTCTGGGAGACGGGCGACAGGCTGCACAGGGCCACACATCAGC	2555
hb	2501	A-----GTCTCTGTTCAGTGAATGCCACAGTACGT	2550
QY	2556	TACCAATTCGTCTGCATGTGGCAGCCGACGATGCGCTCCGCGATGCGCTATCTGGACACA	2615
Db	2551	TACCCACACCTGGAATTTAATGGCAACCCAGATTTGCTCTGTATGAATACCTTTCGCT	2590
QY	2616	CTCAACTTTTAAATGCGGACCGCGGCACAGGGAACTGCTGTGTGGGAAATTTTCACC	2675
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QY	2736	CAGGGCCGGGCAAGTCTGCCATCCGCTGCGTGAATGGCCCTGGGATGCAATCCATGAGGAG	2795
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QY	2796	TTCAAGCACTCGAGATGACAGTGTGGGCTTTTGGTGTGACCTGTGGGAGTGTGATGCTC	2855
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QY	2976	CTAATATAGTATGCTTGGGTCTGTGAGCCGGGAGTCTGAGCAAGCAACCTTTTCC	3035
Db	2951	GTTGATATAGCTGATGCTCAAGCTGCTGTGGAAAGAAACCAAGCACCGCGCATCTTCCAG	3010
QY	3036	CAGTGCATCGTTCCTGGGAGGAGATGACCAACAGGTGTGAATA	3084
Db	3011	GAAATACACTCTCGCTTTCTTACGCAAGAGCCGAGTATGATGATATA	3059

RESULT 14
 US-08-286-305A-4
 : Sequence 4, Application US/08286305A
 : Patent No. 5766863
 :
 : GENERAL INFORMATION:
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Mark, Melanie R.
 : APPLICANT: Sadick, Michael D.
 : APPLICANT: Shelton, David L.
 : APPLICANT: Wong, Wal Lee Tan
 : TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
 : NUMBER OF SEQUENCES: 11
 : CORRESPONDENCE ADDRESSES:
 : ADDRESSEE: Genentech, Inc.
 : STREET: 460 Point San Bruno Blvd
 : CITY: South San Francisco
 : STATE: California
 : COUNTRY: USA
 : ZIP: 94080
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 : COMPUTER: IBM PC compatible

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: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/286,305A
: FILING DATE: 05-AUG-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/170558
: FILING DATE: 20-DEC-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/157563
: FILING DATE: 23-NOV-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Lee, Wendy M.
: REGISTRATION NUMBER: 00,000
: REFERENCE/DOCKET NUMBER: 854CJPI
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1994
: TELEFAX: 415/952-9881
: TELEX: 910/371-7168
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2820 bases
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
:
: US-08-286-305A-4

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	Query Match Similarity	4.6%	Score 182.2	DB 1:	Length 2820;	
	Best Local Similarity	59.9%	Pred. No. 7.9e-34:			
	Matches 348;	Conservative 0;	Mismatches 218;	Indels 15;	Gaps 2	
QY	2332	TCCCTTGTCTCCAGGAATGATTTCCTGAAAGAAGTGTAAGATCATGTGCAGGCTCAAGAC	2381			
Db	1994	TCCCGAGATGTCTCCGACAGACTTCCAACGTGAGGCTGACTCACCATTGCGACGAC	2053			
QY	2382	CCCAACATCATTCGGGCTGCTGGGCGCTGTGTGTGCAGAGACGACCCTCTGCATGATTACT	2441			
Db	2054	CAGCACATCTGTGCGCTTTCTTCGGCGCTGTCCACAGAGGCGGCCCTCTCATAGGCTT	2113			
QY	2442	GACTCATGTGAGAAACGGCGACCTCAACACAGTTTCTCTCAGTGCACACAGCTGTGAGACAAG	2501			
Db	2114	GAGTATATGCGGACACGGGAGACTCAACCGCTTCTCTCCGATCCCATGAGACTGATGCCAA-	2172			
QY	2502	GCACCGGAGGGGCCCCCTGGGGACGGGACGAGCTGCGACAGGGGCCACATCAAGTACCCA	2561			
Db	2173	-----GCTGCTGGCTGTGGGGAGATGTGCTCCAGGCCCTCTGGGCTGTGGG	2221			
QY	2562	ATGCGTGCATGTGTGGACCCGACGATTCGCGCTCCGCGATCGCTATCTGTGGCCACCTCAAC	2621			
Db	2222	CAGCGCTGGCGCGGTGAGCCAGGCTGCTGGGGGATGTGTACTGTGCGGGGTGTGCAT	2281			
QY	2622	TTTTTACATCGGAGACCTGACCGACGGGAACTCCTAGTTGGGGAAAATTTCACATCAAA	2681			
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QY	2742	CGGGACAGTGTGCCATCCGCTGGATGTGGGCTGTGGAGTGCATCTCATATGGGGAAGTTACAG	2801			
Db	2402	CGCACATGCTGCCCATTTCCGTGTGGATGCCGCCCGGAGAGCATCTGTACCGGTAAAGTTCAAC	2461			
QY	2802	ACTGCGACTGACGTGTGGCCCTTTGGTGTGACCCCTGTGGAGAGTGTGATGCTCTGTAG	2861			
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QY	2862	GCCACGCCCTTTGGGACACTCACCGACAGCAGGTGATCGA	2902			
Db	2522	---CAGCCCTGTACACAGCTCTCCAAACAGGAGGAATAATCGA	2559			

